

Northstar

by Arya Akhavan (November 2013)

Angles for R.I. = 1.580

51 + 8 girdles = 59 facets

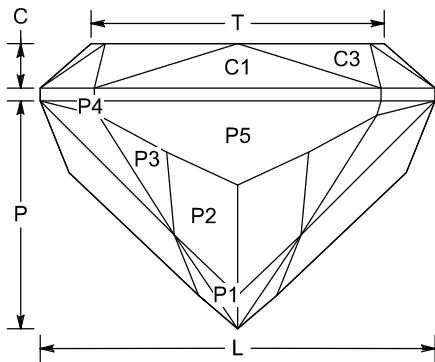
4-fold, mirror-image symmetry

120 index

L/W = 1.000 T/W = 0.743 U/W = 0.743

P/W = 0.576 C/W = 0.112

Vol./W³ = 0.335



PAVILION

P1	41.50°	008-016-032- Cut to centerpoint. 040-056-064- 080-088-104- 112
P2	43.44°	006-018-030- Establish star size. 042-054-066- 078-090-102- 114
P3	43.84°	007-017-041- Meet P1, P2 079-103-113
G1	90.00°	120-030-060- Set stone size. 090
G2	90.00°	015-045-075- Meet P2, G1; P2, P3, G1 105
P4	63.79°	015-045-075- Level girdle. 105
P5	68.04°	120-030-060- Level girdle. 090

CROWN

C1	41.15°	120-030-060- Set girdle width. 090
C2	39.74°	015-045-075- Level girdle. 105
C3	34.13°	002-028-032- Meet G1, G2, C1, C2 058-062-088- 092-118
T	0.00°	Table Meet C1, C3; C2, C3

Someone once said that it would be impossible to do a "Lone Star"-style cut in a square shape. Well, here's a square version with a prominent star and a surprising amount of light return, and it follows meetpoint faceting! Works in materials from beryl to rutile (RI = 1.58 - 2.62) with no changes, but looks best in light blue topaz.

Suggested size = 10-25 mm

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